

ICSBEP FIVE-YEAR PLAN	
LAWRENCE LIVERMORE NATIONAL LABORATORY	
IDENTIFIER	DRAFT TITLE
FY-2005	
PU-SOL-THERM-019 (Joint IRSN/LLNL)	Proserpine Experiments: Part I. Aqueous Plutonium Solutions Reflected by Beryllium Oxide and Graphite
HEU-MET-INTER-009	SPADE Experiments: Part II. BeO Moderated Oy Intermediate Systems
HEU-MET-FAST-066	Nimbus Experiments Part II --Highly Enriched Uranium Metal Spheres With Beryllium Reflectors
Neutron-Time-of-Flight	LLNL Pulsed Spheres: Part I. Plutonium (Luisa Hansen)
FY-2006	
HEU-SOL-THERM-046 (Joint IRSN/LLNL)	Proserpine Experiments: Part II. Aqueous Uranium Solutions Reflected by Beryllium Oxide and Graphite
IEU-COMP-MIXED-001	U(30.14)O ₂ & Paraffin Wax: H/X=8, 16.3, 39.5, & 81.6 (35 Configurations)
IEU-MET-FAST-016	U(37.5) -- 0.125 Al Metal Parallellepipeds (13 Configurations)
IEU-SOL-THERM-002	British Spheres: U(30.45)O ₂ F ₂ Aqueous Solutions Systems
Neutron-Time-of-Flight	LLNL Pulsed Spheres: Part II. Beryllium.
FY-2007	
IEU-SOL-THERM-003	British 8", 12" and 16" Cylinders: U(30.45)O ₂ F ₂ Aqueous Solutions Systems
TBD	Nimbus: Part II. *Requires help with declassification of original materials.
Neutron-Time-of-Flight	LLNL Pulsed Spheres: Part III. TBD
FY-2008	
HEU-MET-FAST-056	Graphite – Oy – D ₂ O System (C/U: 500 – 35000)
Neutron Transmission	LLNL (Bramblett & Czirr) ²³⁵ U and ²³⁹ Pu Plate Transmission Measurements
FY-2009	
	To Be Determined
FY-2010	
	To Be Determined